

Claims:

This listing of claims will replace the listing of the claims in the application.

Listing of Claims:

- Okay to enter WAC 12-9-04*
1. (Previously Presented) A silicoaluminophosphate molecular sieve comprising at least one intergrown phase of molecular sieves having AEI and CHA frameworks, wherein said intergrown phase has an AEI/CHA ratio of from about 5/95 to 40/60 as determined by DIFFaX analysis and having no reflection peak in the 9.8 to 12.0 (2 θ) range, using the powder X-ray diffraction pattern of a calcined sample of said silicoaluminophosphate molecular sieve.
 2. (Original) The silicoaluminophosphate molecular sieve of claim 1, wherein said intergrown phase has an AEI/CHA ratio of from about 7/93 to 38/62.
 3. (Original) The silicoaluminophosphate molecular sieve of claim 1, wherein said intergrown phase has an AEI/CHA ratio of from about 8/92 to 35/65.
 4. (Original) The silicoaluminophosphate molecular sieve of claim 1, wherein said intergrown phase has an AEI/CHA ratio of from about 9/91 to 33/67.
 5. (Previously Presented) The silicoaluminophosphate molecular sieve of claim 1 wherein the molecular sieve having CHA framework is SAPO-34.
 6. (Previously Presented) The silicoaluminophosphate molecular sieve of claim 1 wherein the molecular sieve having AEI framework is SAPO-18, ALPO-18 or a mixture of SAPO-18 and ALPO-18.

7. (Original) The silicoaluminophosphate molecular sieve of claim 1 wherein said silicoaluminophosphate molecular sieve has an X-ray diffraction pattern having at least one reflection peak in each of the following ranges in the 5 to 25 (2 θ) range:

2 θ (CuK α)
9.3 - 9.6
12.7 - 13.0
13.8 - 14.0
15.9 - 16.1
17.7 - 18.1
18.9 - 19.1
20.5 - 20.7
23.7 - 24.0

8. (Cancelled)
9. (Previously Presented) The silicoaluminophosphate molecular sieve of claim 7 wherein the X-ray diffraction pattern has no broad feature centered at about 16.9 (2 θ).
10. (Cancelled)
11. (Previously Presented) The silicoaluminophosphate molecular sieve of claim 7 wherein the reflection peak in the 17.7 - 18.1 (2 θ) range has a relative intensity between 0.09 and 0.40 with respect to the reflection peak at 17.9 (2 θ) in the diffraction pattern of SAPO-34, all diffraction patterns being normalized to the intensity value of the reflection peak in the 20.5-20.7 (2 θ) range.

12. (Original) The silicoaluminophosphate molecular sieve of claim 11 wherein the reflection peak in the 17.7 - 18.1 (2 θ) range has a relative intensity between 0.10 and 0.35 with respect to the reflection peak at 17.9 (2 θ) in the diffraction pattern of SAPO-34,
13. (Original) The silicoaluminophosphate molecular sieve of claim 1 wherein the silica to alumina molar ratio (SiO₂/Al₂O₃) ranges from 0.01 to 0.25.
14. (Original) The silicoaluminophosphate molecular sieve of claim 13 wherein the silica to alumina molar ratio (SiO₂/Al₂O₃) ranges from 0.02 to 0.20.
15. (Original) The silicoaluminophosphate molecular sieve of claim 13 wherein the silica to alumina molar ratio (SiO₂/Al₂O₃) ranges from 0.03 to 0.19.
16. (Original) The silicoaluminophosphate molecular sieve of claim 1, wherein the molecular sieve is comprised of crystalline plates, platelets or stacked platelets.
- WAL 17. (Original) The silicoaluminophosphate molecular sieve of claim 16, ^{wherein} ~~wherein~~ the average smallest crystal dimension of the molecular sieve is less than 0.1 micron.
18. (Original) A catalyst comprising the silicoaluminophosphate molecular sieve of claim 1 and a binder.
- 19.-42. (Cancelled)